

II. CLAIMS

1. (Original) Process for the automated creation of roles for a role-based access control system of an enterprise, whereas the system organizes and manages the access of users to sensitive information in an inter- and/or intranet, by means of at least one data base comprising at least the relevant, existing security data about users and their access to sensitive information, the data base being connected to a computer, the process comprises the following steps:

- a) loading the security data from the data base into the computer
- b) mining the loaded data to find similarities that will allow the creation of organizational roles and/or functional roles and
- c) creation of at least one role based on the outcome of step b.

2. (Original) Process according to claim 1, whereas the computer is connected to the inter-and/or intranet and automatically assigns the created role(s) according to step c to the users in the inter- and/or intranet.

3. (Original) Process according to claim 1, whereas the database is stored on a hard disk.

4. (Original) Process according to claim 1, whereas the database is stored on the RAM of a computer.

5. (Original) Process according to claim 1, whereas the mining of the loaded security data comprises clustering the loaded data to find suitable semantics for role description and/or statistics for values of all role attributes.

6. (Original) Process according to claim 1, whereas the mining of the loaded security data comprises association methods to find similarities in the loaded security data and preferably group as much as possible of the security data into as little as possible roles.

7. (Original) Process according to claim 1, whereas the resulting roles are automatically checked and approved by the computer before they are assigned to the users.

8. (Original) Process according to claim 1, whereas the relevant data is at least access control data, organizational data and/or functional data of the enterprise.

9. (Original) Process according to claim 1, that in a first step the data is explored by the computer.

10. (Original) Process according to claim 1, whereas the created roles are automatically stored in the data base.